

Case No.: BENDE-008B  
Patent Appln.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant's:	Theodore V. Benderev	)	Art Unit:	3731
Serial No.:	09/733,455	)	Examiner:	David O. Reip
Filed:	December 8, 2000	)		
For:	System & Method for Securing	)		
	Sutures to Bone & Tissue	)		

DECLARATION UNDER 37 C.F.R. §132

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON D C 20231

Dear Sir/Madam:

I, Theodore V. Benderev, M.D., the undersigned, hereby declare that:

1. I am a board certified surgeon specializing in Urology and experienced in a wide variety of surgical procedures, including surgical procedures deploying the use of implantable devices for attaching sutures, grafts, synthetic materials, and soft tissue to bone and/or soft tissue. Attached hereto as Exhibit "A" is my curriculum vitae which correctly identifies my educational background, experience, and the papers that I have offered and/or co-authored that have been published.

2. Based upon my 16 years of experience practicing surgery, I am familiar with current clinical procedures and practices which incorporate the use of surgical implants for use in attaching sutures, grafts, synthetic materials, and/or soft tissue to bone and/or soft tissue, and have first hand knowledge and experience with respect to preferred clinical methodology in systems utilized in relation to such implant devices and methodology.

3. The surgical staples and methods of deploying the same disclosed in United States Patent No. 5,242,457 to Akopov et al., discloses a plurality of surgical staples that are designed to be stapled into soft tissue such that a suture may be affixed thereto, and more particularly a purse string suture to human tissue. Such surgical staples are typical of those known in the art and require that the same be deployed by the use of a surgical stapler. In this respect, such staples cannot be manually positioned upon the tissue, but rather must be meticulously inserted into the stapler deployment mechanism and accurately stapled at the target site to which the suture is to be attached.


4. Such surgical staples and procedures by which the same are deployed as disclosed in the aforementioned patent to Akopov et al., is often times ill-suited to provide optimal attachment means by which a suture, graft, material and/or soft tissue is secured to a target site within the body, whether such target site comprise bone or soft tissue. For example, in order to utilize the surgical staple requires that the same must be meticulously oriented at the target site. Such procedure requires switching instruments and precisely orienting such deployment stapler so that the staple may be accurately deployed at the desired site. It is well-known that such procedure is time consuming, inefficient and requires great skill. Indeed, to the extent a staple, such as those that Akopov et al. are deployed at the wrong site, such are often irretrievable and frequently must remain in the patient indefinitely. Moreover, the design of such staples is somewhat inefficient insofar as the same do not necessarily remain firmly embedded within the tissue, and can be readily caused to detach therefrom once tension is applied thereto.

5. The devices and methods disclosed in the present application, in contrast, offer tremendous advantages over prior art anchoring systems, and in particular the staples that are the subject of the Akopov et al. reference. Specifically, the devices of the present invention may be advantageously positioned by hand, which allows for greater accuracy and placement of the anchors at the target tissue/bone site, as well as is far more rapid than having to deploy the same via a stapler or other similar type device. Likewise, by virtue of the ability of such device to remain more firmly embedded within the tissue or bone at the target site, particularly when the stress suture is imparted thereto, such devices will, in fact, provide the surgeon with greater confidence that the same will remain firmly embedded at the desired location and will not slip or otherwise disengage from such target site unless selectively caused to do so.

6. Indeed, the fixation devices and methods that are the subject of the present application have revolutionary applicability in certain advance techniques for performing pubovaginal sling surgery, as described in the present application, insofar as the same may be utilized to attach the sling to periosteum or rectus facia. In this regard, there is not hereto for been available any type of anchoring device specifically designed for use in pubovaginal sling surgery that enables the sling to be adequately secured to such target sites (i.e., the rectus fascia or periosteum about the pubic bone) and, but for the novel devices and the methods of the present invention, I am unaware of any type surgical staple, anchor and/or implant that has the ability to be manually deployed at a target site, whether it be bone or soft tissue, that is actually operative to become more firmly embedded within such target site as tension is applied thereto.

7. I hereby declare that all statements made here and are of my own knowledge and are true and that all statements made on information in belief are believed to be true; and further, that the statements were made with the knowledge that willful of all statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: 3-15-01

Signed:   
Theodore Benderev, M.D.



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## CURRICULUM VITAE

### THEODORE VAL BENDEREV, M.D.

**PRESENT POSITION** Private Practice  
Associate Clinical Professor  
Division of Urology  
Department of Surgery  
University of California, Irvine

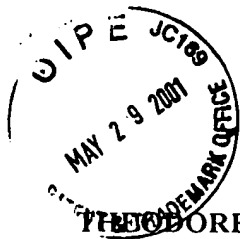
**OFFICE ADDRESSES** 2/98 to Present - The Incontinence and Pelvic Support Institute  
26732 Crown Valley Parkway, Suite 327  
Mission Viejo, CA 92691  
Phone: (949) 364-4400  
FAX: (949) 364-2829

4/87 to 2/98 - Orange County Urology Associates  
26732 Crown Valley Parkway, Suite 321  
Mission Viejo, CA 92691  
Phone: (949) 365-8000

**HOME ADDRESS** 26975 Magnolia Court  
Laguna Hills, CA 92653  
Phone: (949) 348-9705  
FAX: (949) 348-2856

**CERTIFICATION** Diplomate, American Board of Urology  
Diplomate, National Board of Medical Examiners

**LICENSURE** California G 043662



THEODORE VAL BENDEREV  
PAGE TWO

## POSTGRADUATE TRAINING

Intern - Surgery  
University of California, San Diego  
July, 1979 - June, 1980

Assistant Resident - Surgery  
University of California, Irvine  
Orange, California  
July, 1980 - June, 1981

Resident - Urology  
Northwestern University Medical Center  
Chicago, Illinois  
July, 1981 - June, 1985

EDUCATION	1972 - 1973	Georgetown University Washington, D.C.
	1973 - 1975	Bachelor of Science University of Maryland College Park, Maryland
	1975 - 1979	Doctor of Medicine University of Maryland School of Medicine Baltimore, Maryland

**HONORS**

A. Bradley-Gaither Memorial Prize for Excellence in Genito-Urinary Surgery

First Prize Clinical Research - "Anchor fixation and other modifications of the endoscopic bladder neck suspension" Western Section American Urological Association Meeting, October, 1992.

Award for Outstanding Achievement - "A new endoscopic bladder neck suspension for the outpatient treatment of stress urinary incontinence" 1993 Video Urology Times

## RESEARCH EXPERIENCE

1982 - 1985	Study of Laser Lithotripsy and Dosimetry under Dr. Anthony Schaeffer at Northwestern University Department of Urology.
1986 - 1987	Principal Investigator for Pulse Dye Laser Lithotriptor Study for Ureteral Stones. University of California at Irvine Department of Surgery.



THEODORE VAL BENDEREV  
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**RESEARCH EXPERIENCE (cont.)**

1993	Principal Investigator for Percutaneous Bladder Neck Suspension Study. Mission Hospital Regional Medical Center. Mission Viejo, California.
1995 - 1996	Sub-investigator for Tolterodine Drug Study. The Incontinence Treatment Center. Mission Viejo, California.
1998 - 1999	Principal Investigator for pelvic floor rehabilitation device study. The Incontinence and Pelvic Support Institute. Mission Viejo, California
2000 - 2001	Principal Investigator for tension setting monitor for sling surgery. The Incontinence and Pelvic Support Institute. Mission Viejo, California
2001 - Present	Sub-investigator for urethral bulking agent. The Incontinence and Pelvic Support Institute. Mission Viejo, California
2001- Present	Principal Investigator for suture fixation device for sling surgery. The Incontinence and Pelvic Support Institute. Mission Viejo, California
2001- Present	Sub-investigator for overactive bladder drug study. The Incontinence and Pelvic Support Institute. Mission Viejo, California

**PATENTS**

Medical instrument for containment and removal of calculi	Pat. 4,611,594
Suture passer	Pat. 5,439,467
Method of advancing a suture through tissue	Pat. 5,544,664
Method of tensioning a suspended tissue mass	Pat. 5,582,188
Bladder neck suspension procedure	Pat. 5,611,515
Method of percutaneously anchoring a suture to a bone	Pat. 5,620,012
Device for supporting and positioning medical equipment	Pat. 5,746,763
Bone anchor implantation device and method	Pat. 5,749,884
Bone anchor implantation device	Pat. 5,766,221
Device & methods for assesment & treatment for urinary & fecal incontinence	Pat. 5,782,745
Surgical Drape	Pat. 5,813,408
Surgical treatment of stress urinary incontinence	Pat. 5,836,314
Method of tensioning a suspended tissue mass	Pat. 5,836,315
Method of securing a bone anchor	Pat. 5,842,478
Bladder neck suspension procedure	Pat. 5,860,425
Electrosurgical instrument and method of use	Pat. 5,919,189
External vibratory exercising device for pelvic muscles	Pat. 6,030,338
Electrosurgical instrument and method of use	Pat. 6,030,383
Surgical Tension/Pressure Monitor	Pat. 6,050,937
Devices and methods for assesment and treatment of urinary & fecal incontinence	Pat. 6,110,099
Systems for securing sutures, grafts and soft tissue to bone and periosteum	Pat. 6,200,330



THEODORE V. PENDEREV  
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**SOCIETIES**

- American Urologic Association
- Society of University Urologists
- American UroGynecologic Society
- California Medical Association
- Western Section American Urological Society
- American Medical Association
- Orange County Medical Association

<b>COMMITTEES</b>	Surgery Executive Committee (Mission Hospital)	1988 - 1999
	Chief, Division of Urology	
	Member, Scientific Advisory Panel on Urology	1994
	California Medical Association	
	President, Orange County Urological Society	1993
	Vice-President, Orange County Urological Society	1992
	Secretary/Treasurer, Orange County Urologic Society	1991
	Surgery Executive Committee (Samaritan Hospital)	1988 - 1992
	Chief, Division of Urology	
	Chairman, Urology Section,	1987
	American Soc. for Laser Medicine and Surgery	

## PRESENTATIONS

1. Inferior vena cava obstruction secondary to adenocarcinoma of the prostate: The role of orchiectomy in treatment. North Central Section American Urologic Association Meeting. Marco Island, Florida. October, 1982.
2. Ultrasonic and electrohydraulic lithotripsy. Clinical Problems in Urology. Chicago, Illinois. June, 1983.
3. The use of the Nd:YAG laser in canine renal surgery. North Central Section American Urologic Association Meeting, Maui, Hawaii. October, 1983.
4. Dosimetry of the Nd:YAG laser on canine renal cortex. Annual American Urologic Association Meeting. New Orleans, Louisiana. May, 1984.
5. Ultrasonic and electrohydraulic lithotripsy. Clinical Problems in Urology. Chicago, Illinois. June, 1984.
6. Evaluation and management of the neurogenic bladder. Neurosciences Conference. University of California at Irvine. October, 1985.
7. Urologic cancers. Biology of Cancer Lecture Series. University of California at Irvine. February 1986.





THEODORE VAL BENDEREV  
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## PRESENTATIONS

8. Genitourinary trauma. California Medical Association Meeting. Los Angeles, California. March, 1986.
9. Bladder cancer. Radiation Therapy Seminar. Orange Coast College. May, 1986.
10. Laser endoscopy in Urology. American Society for Laser Medicine and Surgery Annual Meeting. Boston, MA., May. 1986.
11. Oral and percutaneous acetylcysteine for urinary tract mucolysis. Western Section American Urologic Association Meeting. Seattle, WA. July, 1986.
12. Partial penectomy with flap penoplasty as a substitute for total penectomy in penile carcinoma. Western Section American Urologic Association Meeting. Seattle, WA. July, 1986.
13. Urinary incontinence in the elderly. Primary Care Grand Rounds. University of California at Irvine. November, 1986.
14. Ureteroscopy - techniques and use of laser lithotripter for ureteral stones. Fourth Annual Reider Laser Center Symposium. Long Beach, CA, January, 1987
15. Fiberoptic laser lithotripsy. Nephrology Grand Rounds. University of California at Irvine. February, 1987.
16. Initial clinical experience with the fiberoptic laser lithotripter. Western Section American Urologic Association Meeting. Kona, Hawaii. February, 1987.
17. Lasers in Urology. Seventh Annual Meeting of the American Society for Laser Medicine and Surgery, San Francisco, CA. April, 1987.
18. Pulsed-Dye Laser Lithotripsy of Ureteral Stones. Seventh Annual Meeting of the American Society for Laser Medicine and Surgery. San Francisco, CA. April, 1987
19. Impotence in the Multiple Sclerosis Patient. Multiple Sclerosis Society Seminar. Mission Viejo, CA. October, 1987.
20. New Treatments in Urology. First Annual Topics in Primary Care. Snowbird, Utah. January, 1989.
21. Advances in the Treatment of Stress Urinary Incontinence. Topics in Primary Care. Steamboat Springs, Colorado. January, 1991.
22. Modern Treatment of Stress Urinary Incontinence. University of California at Irvine Family Practice Refresher Course. Irvine, California. June 11, 1991.

**THEODORE VAL BENDEREV**  
**PAGE SIX**

23. Advances in the surgical treatment of stress urinary incontinence. Grand Rounds. University of California at Irvine. August, 1991.
24. Modifications in the surgical treatment of stress urinary incontinence. Grayhack Fest. Northwestern University. Chicago, Illinois. September, 1991.
25. Anchor fixation in the shortstay treatment of stress urinary incontinence. International Meeting of the Society for Minimally Invasive Therapy. Boston, Massachusetts. November, 1991.
26. Understanding urinary leakage in the active woman. Annual Meeting of the American Urological Association. Washington, D.C. May, 1992.
27. Anchor fixation and other modifications of the endoscopic bladder neck suspension. Western Section Meeting of the American Urological Association. Maui, Hawaii. October, 1992.
28. Modifications of the endoscopic bladder neck suspension utilizing the Mitek G2 Anchor. Videourology - Fourth World Congress. Monte-Carlo. October, 1992.
29. A new endoscopic bladder neck suspension for the outpatient treatment of stress urinary incontinence. Annual Meeting of the American Urological Association. San Antonio, Texas. May, 1993.
30. Anchor fixation and other modifications of the endoscopic bladder neck suspension. Annual Meeting of the American Urological Association. San Antonio, Texas. May, 1993.
31. The Benderev procedure. Invited speaker. Videourology - Fifth World Congress. Orlando, Florida. June, 1993.
32. Update on a New Outpatient Bladder Neck Suspension System. Annual Meeting of the American Uro-Gynecological Society and the Urodynamic Society. San Antonio, Texas. October, 1993.
33. Mechanical properties of various suture materials used in bladder neck suspension procedures. Accepted for presentation at the Annual Meeting of the American Urological Association. San Francisco, California. May, 1994.
34. Needle suspension procedures: Evolution and review of the literature. Invited presentation. Urogynecology and disorders of the female pelvic floor: 7<sup>th</sup> annual conference. Mayo Clinic Scottsdale, Arizona. March, 1998.
35. Incontinence Techniques. Invited speaker. Annual Meeting of the New York Section American Urological Association. South Africa. October, 2000.

**THEODORE VAL BENDEREV**  
**PAGE SEVEN**

**PUBLICATIONS**

1. Smith AD, Lee WJ, Benderev TV. Percutaneous management of urinary calculi: clinical studies of a new approach. *Internal Medicine for the Specialist*. 4, 1983.
2. Benderev TV, Grayhack JT. Prostate Carcinoma. In: *Current Diagnosis 7*. Edited by RB Conn, Jr. Philadelphia: WB Saunders. P. 1134-1137, 1984.
3. Benderev TV, Schaeffer AJ. Preliminary study of the Nd:YAG laser in canine partial nephrectomy. *Lasers in Surgery and Medicine*. 5: 415, 1985.
4. Benderev TV, Schaeffer AJ. Efficacy and safety of the Nd:YAG laser in canine partial nephrectomy. *Journal of Urology*. 133: 1108, 1985.
5. Benderev TV, Bockrath JM, Uke ET, Grayhack JT. Inferior vena cava obstruction secondary to adenocarcinoma of the prostate: the role of orchiectomy in treatment. *Archives of Internal Medicine*. 146: 598, 1986.
6. Benderev TV. Mucolytic agent to relieve mucinous obstruction of the ureter. *Urology Times*. 11, 1986.
7. Benderev TV, Chmiel JS, Carone FA, Schaeffer AJ. Dosimetric study of Nd:YAG laser damage of the canine renal cortex. *Lasers in Surgery and Medicine*. 7: 363, 1987.
8. Benderev TV. Preservation of penile length in penile cancer and trauma by use of a pedicled flap. *Journal of Urology*. 140: 145, 1988.
9. Benderev TV. Acetylcysteine for urinary tract mucolysis. *Journal of Urology*. 139: 353, 1988.
10. Benderev TV. Laser Lithotripsy: An effective adjunct in ureteral stone removal. *Urology Times*. 16: 24, 1988.
11. Benderev, T.V. Anchor fixation and other modifications in the treatment of stress urinary incontinence. *Urology*. 40. 409, 1992.
12. Benderev, T.V. A new outpatient percutaneous bladder neck suspension. *Video Urology Times*. 6:2, 1993.
13. Benderev, T.V. A modified percutaneous outpatient bladder neck suspension system. *Journal of Urology*. 152: 2316, 1994.

**THEODORE VAL BENDEREV**  
**PAGE EIGHT**

**PERSONAL INFORMATION**

Date of Birth: February 5, 1954

Place of Birth: New York, New York

Married: Katherine P. Benderev, Pharm. D.  
June 16, 1979

Son: Christopher Benderev

Case No.: BENDE-008B  
Patent Appln.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant's:	Theodore V. Benderev	)	
		)	Art Unit: 3731
Serial No.:	09/733,455	)	
		)	Examiner: David O. Reip
Filed:	December 8, 2000	)	
		)	
For:	System & Method for Securing	)	
	Sutures to Bone & Tissue	)	

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DECLARATION UNDER 37 C.F.R. §132

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON D C 20231

Dear Sir/Madam:

I, Tom D. Thomas, M.D., the undersigned, hereby declare that:

1. I am a board certified surgeon specializing in Orthopedics and experienced in a wide variety of surgical procedures, including surgical procedures deploying the use of implantable devices for attaching sutures, grafts, synthetic materials, and soft tissue to bone and/or

soft tissue. Attached hereto as Exhibit "A" is my curriculum vitae which correctly identifies my educational background, experience, and the papers that I have offered and/or co-authored that have been published.

2. Based upon my 8 years of experience practicing surgery, I am familiar with current clinical procedures and practices which incorporate the use of surgical implants for use in attaching sutures, grafts, synthetic materials, and/or soft tissue to bone and/or soft tissue, and have first hand knowledge and experience with respect to preferred clinical methodology in systems utilized in relation to such implant devices and methodology.

3. The surgical staples and methods of deploying the same disclosed in United States Patent No. 5,242,457 to Akopov et al., discloses a plurality of surgical staples that are designed to be stapled into soft tissue such that a suture may be affixed thereto, and more particularly a purse string suture to human tissue. Such surgical staples are typical of those known in the art and require that the same be deployed by the use of a surgical stapler. In this respect, such staples cannot be manually positioned upon the tissue, but rather must be meticulously inserted into the stapler deployment mechanism and accurately stapled at the target site to which the suture is to be attached.

4. Such surgical staples and procedures by which the same are deployed as disclosed in the aforementioned patent to Akopov et al., is often times ill-suited to provide optimal attachment means by which a suture, graft, material and/or soft tissue is secured to a target site

within the body, whether such target site comprise bone or soft tissue. For example, in order to utilize the surgical staple requires that the same must be meticulously oriented at the target site. Such procedure requires switching instruments and precisely orienting such deployment stapler so that the staple may be accurately deployed at the desired site. It is well-known that such procedure is time consuming, inefficient and requires great skill. Indeed, to the extent a staple, such as those that Akopov et al. are deployed at the wrong site, such are often irretrievable and frequently must remain in the patient indefinitely. Moreover, the design of such staples is somewhat inefficient insofar as the same do not necessarily remain firmly embedded within the tissue, and can be readily caused to detach therefrom once tension is applied thereto.

5. The devices and methods disclosed in the present application, in contrast, offer tremendous advantages over prior art anchoring systems, and in particular the staples that are the subject of the Akopov et al. reference. Specifically, the devices of the present invention may be advantageously positioned by hand, which allows for greater accuracy and placement of the anchors at the target tissue/bone site, as well as is far more rapid than having to deploy the same via a stapler or other similar type device. Likewise, by virtue of the ability of such device to remain more firmly embedded within the tissue or bone at the target site, particularly when the stress suture is imparted thereto, such devices will, in fact, provide the surgeon with greater confidence that the same will remain firmly embedded at the desired location and will not slip or otherwise disengage from such target site unless selectively caused to do so.

6. Indeed, the fixation devices and methods that are the subject of the present application have revolutionary applicability in certain advance techniques for performing pubovaginal sling surgery, as described in the present application, insofar as the same may be utilized to attach the sling to periosteum or rectus facia. In this regard, there is not hereto for been available any type of anchoring device specifically designed for use in pubovaginal sling surgery that enables the sling to be adequately secured to such target sites (i.e., the rectus fascia or periosteum about the pubic bone) and, but for the novel devices and the methods of the present invention, I am unaware of any type surgical staple, anchor and/or implant that has the ability to be manually deployed at a target site, whether it be bone or soft tissue, that is actually operative to become more firmly embedded within such target site as tension is applied thereto.

//

7. I hereby declare that all statements made here and are of my own knowledge and are true and that all statements made on information in belief are believed to be true; and further, that the statements were made with the knowledge that willful of all statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: 4-11-01

Signed: Tan D. Thuma





# **CURRICULUM VITAE**

**TOM D. THOMAS, M.D.**

**ORTHOPEDIC SURGEON**

**COMMUNITY ORTHOPEDIC MEDICAL GROUP  
26401 CROWN VALLEY PARKWAY, SUITE 101  
MISSION VIEJO, CALIFORNIA 92691**

**JUNE 2000**



**TOM D. THOMAS, M.D.  
CURRICULUM VITAE**

-2-

**PERSONAL DATA**

Date of Birth: November 7, 1954  
Place of Birth: Corona, California  
Married with two children  
Spouse Name: Barbara

**EDUCATION**

1977	University of California at Los Angeles Los Angeles, California B.A. Biology
1987	University of California at Los Angeles School of Medicine M.D., June 1987

**POST DOCTORAL TRAINING**

1987-1988	UCLA Medical Center Department of Surgery Los Angeles, California General Surgery Internship
1988-1991	UCLA Medical Center Division of Orthopedic Surgery Los Angeles, California Orthopedic Surgery Resident
1991-1992	UCLA Medical Center Division of Orthopedic Surgery Los Angeles, California Orthopedic Surgery Chief Resident
1992-1993	The Sports Clinic Laguna Hills, California Sports Medicine Fellowship



TOM B. THOMAS, M.D.  
CURRICULUM VITAE

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## HONORS AND AWARDS

1986	Honors Program - Department of Surgery UCLA School of Medicine
1987	Alpha Omega Alpha UCLA School of Medicine

## LICENSURE AND CERTIFICATION

Diplomate of the American Board of Orthopaedic Surgery  
Board Certified, 1995

Diplomate of the National Board of Medical Examiners  
# 351036, 1988

California State Medical License  
# G063599

DEA Registration  
# BT1694492

## SOCIETY MEMBERSHIPS

American Academy of Orthopaedic Surgeons: Fellow

Arthroscopy Association of North America: Member

American College of Sports Medicine: Member

Orange County Medical Association

California Medical Association



TOM D. THOMAS, M.D.  
CURRICULUM VITAE

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## HOSPITAL STAFF POSITIONS

1996-1997     Chairman, Department of Orthopedic Surgery, Mission Hospital  
Regional Medical Center, Mission Viejo, California

## PUBLICATIONS AND PRESENTATIONS

Davlin, L., Johnson, E., Thomas, T., Lian, G.:  
Open Versus Closed Nailing of Femur Fractures in the Polytrauma Patient.  
Contemporary Orthopaedics, May 1991; Presented at the A.A.O.S., February  
1990. New Orleans, Louisiana

Thomas, Tom D.:  
Arthroscopic Shoulder Surgery Hands-On Cadaver Surgical Workshop;  
Arthroscopic A/C Joint Resection; Presented March 19, 1993, Laguna Hills,  
California

## EMPLOYMENT HISTORY

1993 - Present  
Orthopedic Surgeon  
Community Orthopedic Medical Group  
Mission Viejo, California 92691

## FACULTY POSITIONS

Assistant Clinical Instructor, University of California at Irvine

Shoulder Arthroscopy Instructor, Shoulder Arthroscopy 1999 Update,  
June 23-26, La Jolla California

Associate Master Instructor, "The Masters Experience", Advanced Shoulder Arthroscopy.  
Orthopaedic Learning Center, March 19-21, 1999, Rosemont, Illinois.

Associate Master Instructor, "The Masters Experience", Advanced Shoulder Arthroscopy.  
Orthopaedic Learning Center, August 14-16, 1998, Rosemont, Illinois.



TOM D. THOMAS, M.D.  
CURRICULUM VITAE

-5-

## FACULTY POSITIONS CONTINUED

Shoulder Arthroscopy Instructor, Shoulder Arthroscopy 1998 Update,  
June 24-27, La Jolla California

Associate Master Instructor, "The Masters Experience", Shoulder Arthroscopy,  
Orthopaedic Learning Center, May 29-31, 1998, Rosemont, Illinois.

Shoulder Arthroscopy Instructor, Arthroscopy Association of North  
America Fall Course, November 8-9, 1997, Nashville, Tennessee

Shoulder Arthroscopy Instructor, Shoulder Arthroscopy 1997 Update,  
June 18-21, La Jolla, California.

Associate Master Instructor, "The Masters Experience", Shoulder Arthroscopy,  
Orthopaedic Learning Center, March 21-23, 1997, Rosemont, Illinois.

Shoulder Arthroscopy Instructor, Shoulder Arthroscopy 1996 Update,  
June 26-29, La Jolla, California.

Associate Master Instructor, "The Masters Experience", Shoulder Arthroscopy,  
Orthopaedic Learning Center, June 8-9, 1996, Rosemont, Illinois.

Shoulder Arthroscopy Instructor, Shoulder Arthroscopy 1995 Update,  
June 14-17, La Jolla, California.

Shoulder Arthroscopy Instructor, Shoulder Arthroscopy 1994 Update,  
June 15-18, La Jolla, California.

Shoulder Arthroscopy Instructor, Arthroscopy Association of North  
America Fall Course. October 6-9, 1993, Albuquerque, New Mexico

Shoulder Arthroscopy Instructor, Shoulder Arthroscopy 1993 Update,  
June 16-19, La Jolla, California.

Shoulder Arthroscopy Instructor, Hands-On Cadaver Surgical Workshop,  
March 19-20, 1993, Laguna Hills, California.

Knee Arthroscopy Instructor, Arthroscopy Association of North  
America Fall Course. November 19-22, 1992, Monterey, California.

Case No.: BENDE-008B  
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Applicant's:	Theodore V. Benderev	)	Art Unit:	3731
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For:	System & Method for Securing	)		
	Sutures to Bone & Tissue	)		

DECLARATION UNDER 37 C.F.R. §132

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON D C 20231

Dear Sir/Madam:

I, Stephen DeSantis, M.D., the undersigned, hereby declare that:

1. I am a board certified surgeon specializing in General Surgery and experienced in a wide variety of surgical procedures, including surgical procedures deploying the use of implantable devices for attaching sutures, grafts, synthetic materials, and soft tissue to

bone and/or soft tissue. Attached hereto as Exhibit "A" is my curriculum vitae which correctly identifies my educational background, experience, and the papers that I have offered and/or co-authored that have been published.

//

2. Based upon my 18 years of experience practicing surgery, I am familiar with current clinical procedures and practices which incorporate the use of surgical implants for use in attaching sutures, grafts, synthetic materials, and/or soft tissue to bone and/or soft tissue, and have first hand knowledge and experience with respect to preferred clinical methodology in systems utilized in relation to such implant devices and methodology.

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4. Such surgical staples and procedures by which the same are deployed as disclosed in the aforementioned patent to Akopov et al., is often times ill-suited to provide optimal attachment means by which a suture, graft, material and/or soft tissue is secured to a target site



## CURRICULUM VITAE

STEPHEN A. DESANTIS, M.D.

### PERSONAL INFORMATION:

Birth Date: March 31, 1950  
Birth Place: Los Angeles, CA  
Spouse: Maribeth  
Children: Elise, Nicole, Stephanie  
Home Address: 23802 Inverness  
Laguna Niguel, Ca 92677  
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